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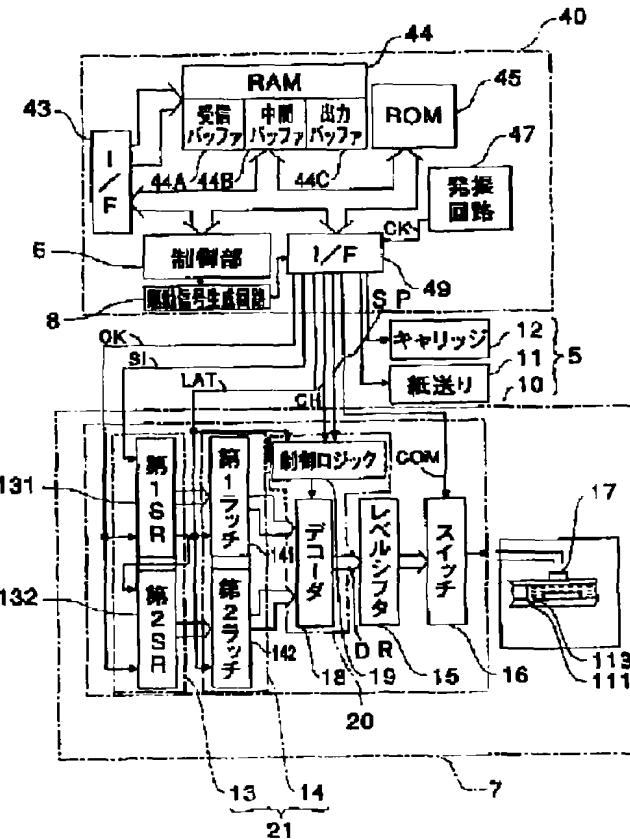
APPLICATION DATE : 25-06-99
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APPLICANT : SEIKO EPSON CORP;

INVENTOR : ASAUCHI NOBORU;

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TITLE : INK JET RECORDER



ABSTRACT : PROBLEM TO BE SOLVED: To provide an ink jet recorder capable of charging at an arbitrary timing to supplement natural discharging occurring at a pressure generating element.

SOLUTION: In the ink jet recorder, a head driving circuit 7 outputs a signal for applying an intermediate potential V_m to a pressure generating element 17 by selecting the potential V_m from a drive signal COM selectively for a period T_5 to T_6 to the element 17 (a pressure generating element 17 not discharging an ink droplet and a pressure generating element 17 for discharging an ink droplet having a large dot) charged to a potential coincident with the potential V_m of the signal COM, for example, for T_5 to T_6 of the elements 17. As a result, a potential of the element in which the potential is lowered from the potential V_m by natural discharging can be restored.

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